

METHOD AND APPARATUS FOR REMOTELY ACTUATING A CIRCUIT PROTECTION DEVICE

ABSTRACT

5 A method and apparatus for remotely operating a circuit protection
device, such as a circuit breaker, to move the circuit protection device to an open
condition to disconnect a load from a power source. The apparatus includes a control
circuit positioned externally from the circuit protection device. The control circuit
includes an impedance limiter and a switching device connected in series with each
10 other. The impedance limiter and switching device are positioned in parallel with the
load. The switching device can be remotely actuated to move between an open
position and a closed position. When the switching device is in the closed position,
the impedance limiter draws a supply of current through the impedance limiter. The
size of the impedance limiter is selected such that the current drawn from the power
15 source is greater than the trip current required to move the circuit protection device to
the open position. Thus, the switching device can be used to remotely actuate the
circuit protection device.

0920909, 080204
403080, 60602660